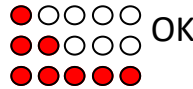


RC-OPTICAL- OIL- KIT



Product Description

The optical monitoring kit is used for contactless monitoring of the liquid level. This is accomplished by a screw-in unit installed at the measuring point for optical level scanning as well as an electronic, removable evaluation unit. The evaluation unit can be replaced without opening the reservoir of the monitored media. The relay trips 3 seconds after connecting the supply voltage (optional for 115V or 230V). If no level is detected or if there is a fault, the relay switches off after a delay. If the fault is cleared or if the level reaches the good range, the relay picks up again after a delay. The potential-free, normally open contact can be looped into a safety circuit without an auxiliary relay. The own monitoring system of the optics, integrated into the sensor, ensures increased operational reliability. An installation check monitors the proper assembly. The built in LED indicates the operating state and further operational statuses with flash codes as they occur:



Installation Instructions

Mounting: The proper sealing at the change-over point depends on the application case and needs to be ensured by the user. The maximum torque is about 75Nm and has to be ensured by a rings spanner or a socket key. The mounting for electronics (especially the glass) needs to be checked for cleanliness. Insert the evaluation units in the screw-in unit and screw tight by hand with the coupling ring (torque about 10Nm). Make sure that the cable outlet points down. The electrical connection needs to be carried out according to the wiring diagram. After refilling the container, check the seal.

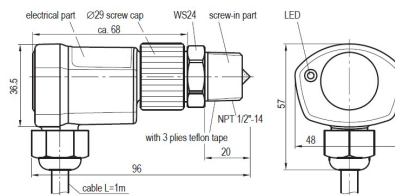
Technical Specifications

- Supply voltage AC 50/60Hz 230V ± 10%
- AC 50/60Hz 115V ± 10%
- Permitted ambient temperature -30~60°C
- Maximum medium temperature +80°C
- Maximum application temperature +80°C
- Delays
- The relay trips after connecting the supply voltage..... 3s ±1s
- Level monitoring after relay on
- Relay off (level missing) 5s ±2s
- Relay off (error)..... 5s ±2s
- Relay on (level good)..... 5s ±2s
- Relay on (no errors) 5s ±2s
- Output relay..... AC 240V 2.5A C300
- Min >24V AC/DC > 20mA
- Mechanical service life Approx 10⁸ switching cycles
- Connecting cable 4xAWG18 (0.75mm²L-1m), color coded
- Protection class acc. To EN 60529... IP54 in built-in status
- Housing material PA66/PA6, glass fiber reinforced
- Mounting..... Union nut
- Weight..... Approx .35 lbs
- Approval..... UL File No E222056

Packaging

Ship Weight.....0.18 lb (approx)
 Box Dimensions5" x 5" x 2.25"

Wiring Diagram



Wiring Diagram

